	Application No.	Applicant(s)
Notice of Allowability	09/427,802	KERMANI, BAHRAM GHAFFARZADEH
	Examiner	Art Unit
	Joseph P. Hirl	2121
The MAILING DATE of this communication applications being allowable, PROSECUTION ON THE MERITS Is rewith (or previously mailed), a Notice of Allowance (PTOL-8: DTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED 5) or other appropriate comn RIGHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS
This communication is responsive to <u>July 14, 2004</u> .		
\square The allowed claim(s) is/are <u>1-20</u> .		
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 Acknowledgment is made of a claim for foreign priority a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents had 	ve been received.	
2. Certified copies of the priority documents ha		
3. Copies of the certified copies of the priority of	documents have been receiv	ed in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	E" of this communication to find the state of the state of this application.	le a reply complying with the requirements
		VAMINED'S AMENDMENT OF NOTICE OF
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Application/Control Number: 09/427,802 Page 2

Art Unit: 2121

Reasons for Allowance

1. Claims 1-20 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fails to teach the claims invention of a fuzzy logic system with evolutionary rules wherein a random set of rules are generated using a random selection of categories (operators, features, cases and qualifiers) and such categories are evolved and evaluated using fuzzy logic with the process continuing subject to the plateau criteria that is reached when the fitness function becomes essentially constant with changing inputs, which to one of ordinary skill in the art, identifies a local region where the derivative of a changing fuzzy logic variable relative to a given event is near zero.

- 3. The closest prior art (Hung, U.S. Patent 5,727,130; and, Chidambaran et al, Adapting Black-Scholes to a Non-Black-Scholes Environment via Genetic Programming) teaches a genetic algorithm for constructing and tuning fuzzy logic system wherein when the iterated performance value reaches some threshold value, the genetic generation will be terminated (Hung, c 4, I 48-50). In contrast, the claimed invention will improve the opportunity of identifying a set of rules having achieved a level of performance that is essentially invariant with changing input parameters... a plateau.
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/427,802

Art Unit: 2121

Correspondence Information

5. Any inquiry concerning this information or related to the subject disclosure should be directed to the Examiner, Joseph P. Hirl, whose telephone number is (703) 305-1668. The Examiner can be reached on Monday – Thursday from 6:00 a.m. to 4:30 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Anthony Knight can be reached at (703) 308-3179.

Any response to this office action should be mailed to:

Commissioner of Patents and Trademarks,

Washington, D. C. 20231;

or faxed to:

(703) 746-7239 (for formal communications intended for entry); or faxed to:

(703) 746-7290 (for informal or draft communications with notation of "Proposed" or "Draft" for the desk of the Examiner).

Note: During the last two weeks of October 2004, Art Unit 2121 will move to Carlyle, Randolph Building, 5th floor and my phone and fax number will change to: 571-272-3685 and 571-273-3685, respectively. Similarly, Anthony Knight's phone and fax numbers will change to: 571-272-3687 and 571-273-3687.

Joseph P. Hirl

September 27, 2004

Anthony Knight
Supervisory Patent Examiner

Group 3600